Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Atty. Docket No. 036217/US/2 – 475387-00191

Serial No. 10/551,735

Applicant(s)

Guillermo J. Tearney et al.

Filing Date September 29, 2005 Confirmation No.

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## U.S. PATENT DOCUMENTS

*Exam. Init.				Docun	nent N	0.			Date	Name	Class	Subclass	Filing Date if Appropriate
		6	5	0	1	8	7	8	December 31, 2002	Hughes et al.			
-	2004	0	1	0	0	6	8	1	May 2004	Bjarklev et al. <sup>©</sup>			
	2004	0	0	8	6	2	4	5	May 2004	Farroni et al. <sup>©</sup>			
	2002	0	1	7	2	4	8	5	November 2002	Keaton et al. <sup>©</sup>			
	2002	0	1	8	8	2	0	4	December 12, 2002	McNamara et al. ΦΦ			
	2002	0	0	7	6	1	5	2	June 20, 2002	Hughes et al.			
		6	7	9	0	1	7	5	September 14, 2004	Furusawa et al.			
		6	2	6	4	6	1	0	July 24, 2001	Zhu <sup>ΦΦΦΦΦ</sup>		-	
		3	6	0	1	4	8	0	August 24, 1971	Donald Sexton Randall ΦΦΦΦΦΦΦΦ			
		5	4	1	1	0	1	.6	May 2, 1995	Kume et al. €€			
	-	5	7	4	0	8	0	8	April 21, 1998	Panescu et al. €€			
		6	2	7	4	8	7	1	August 21, 2001	Dukor et al. ΦΦΦΦΦΦΦΦΦΦΦ			
<u>-</u>	-	5	8	6	2	2	7	3	January 19, 1999	Pelletier φΦΦΦΦΦΦΦΦ			
	-	4	4	7	9	4	9	9	October 30, 1984	Alfano ΦΦΦΦΦΦΦΦΦΦΦΦ			
		4	0	3	0	8	2	7	June 21, 1977	Delhaye et al. ΦΦΦΦΦΦΦΦΦΦ			
	2004	0	1	0	0	6	3	1	May 27, 2004	Bashkansky et al. €€€			
		7	2	3	1	2	4	3	June 12, 2007	Tearney et al. €€€€			
<del></del>		3	8	5	6	0	0	0	December 24, 1974	Chikama€€€€€			
		3	9	4	1	1	2	1	March 2, 1976	Olinger & EEEE			

Examiner Date Considered

<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		4	1	4	1	3	6	2	February 27, 1979	Wurster€€€€€	
-		4	6	0	7	6	2	2	August 26, 1986	Fritch et al.	
		6	5	5	6	3	0	5	April 29, 2003	Aziz et al.	
	2002	0	0	6	4	3	4	1	May 30, 2002	Fauver et al.	
		5	8	7	2	8	7	9	February 16, 1999	Hamm EEEEEEE	
		5	6	2	1	8	3	0	April 15, 1997	Lucey et al.	
	2003	0	1	6	4	9	5	2	September 4, 2003	Deichmann et al. €€€€€€€€	

#### FOREIGN PATENT DOCUMENT

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	ļ.		Docun	nent N	0.			Date	Country	Class	SubClass	Yes	No
2005	0	0	0	0	1	1	5	January 6, 2005	$WIPO^{\Phi\Phi}$	:			
 	9	8	0	1	0	7	4	January 15, 1998	${ m WIPO}^{\Phi\Phi}$	!			
2004	0	0	6	6	8	2	4	August 12, 2004	$\mathrm{WIPO}^{\Phi\Phi}$	_			
1	0	3	5	1	3	1	9	June 16, 2005	Germany ΦΦΦΦ				
	9	8	3	8	9	0	7	September 11, 1998	WIPO <sup>ΦΦ Φ Φ</sup>				
	1	2	5	7	7	7	8	December 22, 1971	Great Britain				
 200	5	0	5	4	7	8	0	June 16, 2005	WIPOΦΦΦΦΦΦΦΦ				
 200	6	1	3	0	7	9	7	December 7, 2006	WIPO <sup>ΦΦΦΦΦΦΦΦ</sup>				
200	6	0	1	4	3	9	2	February 9, 2006	$WIPO^{\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi}$				
	9	8	4	6	1	2	3	October 22, 1998	WIPO €€				
	0	5	9	0	2	6	8	April 6, 1994	European €€				
 200	4	0	8	8	3	6	1	October 14, 2004	WIPO €€€				
	2	0	3	0	3	1	3	April 2, 1980	Great Britain EEEEEEE				

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6550

<sup>Φ</sup> References cited in Office Action dated February 2, 2007 for U.S. Patent Application No. 11/174,425 ΦΦ References cited in International Search Report PCT/US2006/031905 ΦΦΦ References cited in Office Action dated March 28, 2007 for U.S. Patent Application No. 11/241,907 ΦΦΦΦ References cited in International Search Report PCT/US2007/060481 ΦΦΦΦΦ References cited in Office Action dated May 23, 2007 for U.S. Patent Application No. 10/406,751 ΦΦΦΦΦΦΦΦ References cited in International Search Report PCT/US2007/060717 ΦΦΦΦΦΦΦΦ References cited in International Search Report PCT/US2007/060319 ΦΦΦΦΦΦΦΦΦΦ References cited in Office Action dated August 10, 2007 for U.S. Patent Application No. 10/997,789 ΦΦΦΦΦΦΦΦΦΦΦ References cited in International Search Report PCT/US2007/060657 ΦΦΦΦΦΦΦΦΦΦΦ References cited in International Search Report PCT/US2007/061815 ΦΦΦΦΦΦΦΦΦΦΦΦ References cited in International Search Report PCT/US2007/062465 € References cited in International Search Report PCT/US2007/066017 €€ References cited in European Patent Office Search Report for Application No. 01991092.6-2305 €€€ References cited in International Search Report PCT/US2007/060670 €€€€ Reference cited in Office Action dated October 11, 2007 for U.S. Patent Application No. 11/534,095 €€€€€ References cited in Office Action dated October 9, 2007 for U.S. Patent Application No. 09/709,162 EEEEEE References cited in Notice of Allowance dated October 3, 2007 for U.S. Patent Application No. 11/225,840 EEEEEEE References cited in Office Action dated October 30, 2007 for U.S. Patent Application No. 11/670,069

September 29, 2005

Hariri, Lida P. et al. "Endoscopic Optical Coherence Tomography and Laser-Induced Fluorescence
Spectroscopy in a Murine Colon Cancer Model", Laser in Surgery and Medicine, Vol. 38, 2006, pages 305-313
PCT International Search Report and Written Opinion for Application No. PCT/US2006/031905 dated May 3, 2007
PCT International Search Report and Written Opinion for Application No. PCT/US2007/060481 dated May 23, 2007
PCT International Search Report and Written Opinion for Application No. PCT/US2007/060717 dated May 24, 2007
 PCT International Search Report and Written Opinion for Application No. PCT/US2007/060319 dated June 6, 2007

Examiner	Date Considered	

<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Page 4 of 5 Serial No. Form PTO-1449 U.S. Department of Commerce Atty. Docket No. (REV. 2-82) Patent and Trademark Office 036217/US/2 - 475387-10/551,735 00191 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Applicant(s) Guillermo J. Tearney et al. (Use several sheets if necessary) Confirmation No. Filing Date September 29, 2005 6550 Akiba, Masahiro et al. "En-face optical coherence imaging for three-dimensional microscopy", SPIE, 2002, pages 8-15 ΦΦΦΦΦΦΦΦΦΦ Copy of Office Action dated August 10, 2007 for U.S. Patent Application No. 10/997,789 Copy of Office Action dated February 2, 2007 for U.S. Patent Application No. 11/174,425 PCT International Search Report and Written Opinion for Application No. PCT/US2007/060657 dated August 13, 2007

dated ragast 13, 2007
Lewis, Neil E. et al., "Applications of Fourier Transform Infrared Imaging Microscopy in Neurotoxicity", Annals New York Academy of Sciences, pages 234-246 ΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦ
Joo, Chulmin et al., Spectral-domain optical coherence phase microscopy for quantitative phase-contrast imaging", Optics Letters, August 15, 2005, Vol. 30, No. 16, pages 2131-2133
Guo, Bujin et al., "Laser-based mid-infrared reflectance imaging of biological tissues", Optics Express, January 12, 2004, Vol. 12, No. 1, pages 208-219 ΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦ
Copy of Office Action dated March 28, 2007 for U.S. Patent Application No. 11/241,907
Copy of Office Action dated May 23, 2007 for U.S. Patent Application No. 10/406,751
PCT International Search Report and Written Opinion for Application No. PCT/US2007/061815 dated August 2, 2007
Sir Randall, John et al., "Brillouin scattering in systems of biological significance", Phil. Trans. R. Soc. Lond. A 293, 1979, pages 341-348    **Option of the control of
 Takagi, Yasunari, "Application of a microscope to Brillouin scattering spectroscopy", Review of Scientific Instruments, No. 12, December 1992, pages 5552-5555 ΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦ
Lees, S. et al., "Studies of Compact Hard Tissues and Collagen by Means of Brillouin Light Scattering", Connective Tissue Research, 1990, Vol. 24, pages 187-205 ΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦ
Berovic, N. "Observation of Brillion scattering from single muscle fibers", European Biophysics Journal, 1989, Vol. 17, pages 69-74 ΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦ

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PCT International Search Report and Written Opinion for Application No. PCT/US2007/062465 dated August 8, 2007
Pyhtila John W. et al., "Rapid, depth-resolved light scattering measurements using Fourier domain, angle-resolved low coherence interferometry", Optics Society of America, 2004 фффффффффффффффффффффффффффффффффф
Pyhtila John W. et al., "Determining nuclear morphology using an improved angle-resolved low coherence interferometry system", Optics Express, December 15, 2003, Vol. 11, No. 25, pages 3473-3484 ΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦΦ
Desjardins A.E., et al., "Speckle reduction in OCT using massively-parallel detection and frequency-domain ranging", Optics Express, May 15, 2006, Vol. 14, No. 11, pages 4736-4745
Nadkarni, Seemantini K., et al., "Measurement of fibrous cap thickness in atherosclerotic plaques by spatiotemporal analysis of laser speckle images", Journal of Biomedical Optics, Vol. 11 Marsh/April 2006, pages 021006-1 -8
PCT International Search Report and Written Opinion for Application No. PCT/US2007/066017 dated August 30, 2007
Yamanari M. et al., "Polarization sensitive Fourier domain optical coherence tomography with continuous polarization modulation", Proc. of SPIE, Vol. 6079, 2006 €
Zhang Jun et al., "Full range polarization-sensitive Fourier domain optical coherence tomography", Optics Express, November 29, 2004, Vol. 12, No. 24, pages 6033-6039 €
 European Patent Office Search report for Application No. 01991092.6-2305 dated January 12, 2006
PCT International Search Report and Written Opinion for Application No. PCT/US2007/060670 dated September 21, 2007
J. M. Schmitt et al., "Speckle in Optical Coherence Tomography: An Overview", SPIE Vol. 3726, pages 450-461 €€€
Copy of Office Action dated October 11, 2007 for U.S. Patent Application No. 11/534,095
Copy of Office Action dated October 9, 2007 for U.S. Patent Application No. 09/709,162
 Copy of Notice of Allowance dated October 3, 2007 for U.S. Patent Application No. 11/225,840
Siavash Yazdanfar et al., "In Vivo imaging in blood flow in human retinal vessels using color Doppler optical coherence tomography", SPIE, 1999 Vol. 3598, pages 177-184 666666
 Copy of Office Action dated October 30, 2007 for U.S. Patent Application No. 11/670,069

4822-4298-8034\1

Examiner Date Considered

<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.